

2000 Fatality Rates
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Number, percent and rate of fatal occupational injuries by selected worker characteristics, occupation and industry, 2000					
Characteristic	Fatalities		Employed ¹ (in thousands)	Fatalities	Relative
	Number	Percent		per 100,000 employed ²	standard error ³
Total	5,915	100	136,377	4.3	.1
Employee status					
Wage and salary workers	4,731	80	126,331	3.7	.1
Self-employed	1,184	20	10,046	11.7	.8
Gender					
Men	5,467	92	73,293	7.4	.3
Women	448	8	63,083	0.7	.3
Age					
Under 16 years	29	--	--	--	
16 to 17 years	44	1	2,782	1.6	1.6
18 to 19 years	127	2	4,620	2.7	1.2
20 to 24 years	444	8	13,690	3.2	.7
25 to 34 years	1,161	20	30,896	3.8	.4
35 to 44 years	1,473	25	36,941	4.0	.4
45 to 54 years	1,313	22	29,750	4.4	.5
55 to 64 years	830	14	13,627	6.1	.7
65 years and over	488	8	4,071	12.0	1.3
Unspecified	6	--	--	--	
Race					
White	4,240	72	100,457	4.2	.2
Black or African American	574	10	14,858	3.8	.7
Hispanic	815	14	14,589	5.6	.7
Occupation					
Managerial and professional specialty occupations	642	11	40,887	1.6	.4
Executive, administrative, and managerial occupations	397	7	19,774	2.0	.6
Managers, marketing, advertising, and public relations	10	--	755	1.3	3.1
Managers, food serving and lodging establishments	70	1	1,446	4.8	2.2
Managers, properties and real estate	19	--	552	3.4	3.6
Management related occupations	34	1	4,932	0.7	1.2
Accountants and auditors	11	--	1,592	0.7	2.1
Professional specialty	245	4	21,113	1.2	.6
Engineers, architects, and surveyors	44	1	2,326	1.9	1.8
Engineers	38	1	2,093	1.8	1.9
Civil engineers	3	--	288	1.0	5.0
Natural scientists	13	--	566	2.3	3.6
Health diagnosing occupations	18	--	1,038	1.7	2.7
Health assessment and treating occupations	25	--	2,966	0.8	1.6
Registered nurses	17	--	2,111	0.8	1.9
Teachers, post-secondary	10	--	961	1.0	2.8
Teachers, except post-secondary	26	--	5,353	0.5	1.2

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Social, recreation, and religious workers	35	1	1,492	2.3	2.2
Social workers	16	--	828	1.9	3.0
Lawyers and judges	8	--	926	0.9	2.8
Lawyers	8	--	881	0.9	2.9
Writers, artists, entertainers, and athletes	47	1	2,439	1.9	1.7
Athletes	28	--	90	31.1	9.0
Technical, sales, and administrative support occupations	686	12	39,442	1.7	.4
Technicians and related support occupations	194	3	4,385	4.4	1.3
Health technologists and technicians	15	--	1,724	0.9	2.1
Engineering and related technologists, technicians	32	1	1,002	3.2	2.7
Electrical and electronic technicians	15	--	468	3.2	4.0
Technicians, except health, engineering and science	142	2	1,389	10.2	2.3
Airplane pilots and navigators	130	2	129	100.8	7.5
Sales occupations	386	7	16,340	2.3	.6
Supervisors and proprietors, sales occupations	185	3	4,937	3.7	1.2
Sales representatives, finance and business services	22	--	2,934	0.7	1.6
Sales representatives, commodities except retail	15	--	1,581	0.9	2.1
Sales workers, retail and personal services	162	3	6,782	2.3	1.0
Sales counter clerks	9	--	185	4.9	6.3
Cashiers	68	1	2,939	2.3	1.6
News vendors	26	--	110	20.9	8.2
Administrative support occupations, including clerical	106	2	18,717	0.6	.6
Mail and message distributing occupations	24	--	978	2.5	2.7
Mail carriers, postal service	10	--	340	2.9	4.6
Messengers	13	--	157	8.3	6.8
Material recording, scheduling, and distributing clerks	21	--	2,052	1.0	1.9
Miscellaneous administrative support occupations	11	--	3,826	0.3	1.4
Service occupations	431	7	18,278	2.3	.6
Protective service occupations	257	4	2,399	10.7	1.7
Fire fighting, prevention jobs, including supervisors	43	1	280	15.4	5.1
Police and detectives, including supervisors	142	2	1,176	12.1	2.5
Guards, including supervisors	72	1	942	7.6	2.8
Service occupations, except protective and household	170	3	15,087	1.1	.7
Food preparation and service occupations	41	1	6,327	0.6	1.1
Bartenders	4	--	365	1.1	4.5
Waiters and waitresses	7	--	1,440	0.5	2.2
Cooks	11	--	2,076	0.5	1.9
Health service occupations	15	--	2,557	0.6	1.7
Cleaning and building service occupations, except household	78	1	3,127	2.5	1.5
Janitors and cleaners	60	1	2,233	2.6	1.8
Personal service occupations	36	1	3,077	1.1	1.5
Farming, forestry, and fishing occupations	806	14	3,399	23.3	1.5
Farm occupations--comprises the 4 jobs below with asterisks.	476	8	1,841	25.1	2.0
Farm operators and managers	320	5	1,134	28.0	2.5
Farmers, except horticultural *	251	4	879	28.4	2.9
Managers, farms, except horticultural *	59	1	149	38.9	7.0
Other agricultural and related occupations	320	5	2,115	14.4	1.9
Farm occupations, except managerial	168	3	847	18.1	2.9
Supervisors, farm workers *	7	--	45	15.6	12.8
Farm workers *	159	3	768	18.8	3.1
Related agricultural occupations	152	3	1,268	12.0	2.4
Supervisors, related agricultural occupations	14	--	174	8.0	6.5
Groundskeepers and gardeners, except farm	130	2	870	14.9	2.9
Forestry and logging occupations	113	2	109	103.7	8.2
Timber cutters	105	2	86	122.1	9.2
Supervisors, forestry and logging workers	10	--	20	50.0	19.1
Timber cutting and logging occupations	95	2	66	143.9	10.5
Fishers, hunters, and trappers	53	1	51	103.9	12.0
Fishers, including vessel captains and officers	52	1	48	108.3	12.4
Precision production, craft, and repair occupations	1,105	19	14,882	7.4	.7
Mechanics and repairers	322	5	4,875	6.6	1.2

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Supervisors, mechanics and repairers	23	--	223	10.3	5.7
Mechanics and repairers, except supervisors	299	5	4,652	6.4	1.2
Vehicle and mobile equipment mechanics and repairers	128	2	1,787	7.2	2.0
Automobile mechanics	49	1	860	5.7	2.9
Bus, truck, and stationary engine mechanics	27	--	345	7.8	4.6
Automobile body and related repairers	8	--	186	4.3	6.3
Heavy equipment mechanics	29	--	162	17.9	6.7
Industrial machinery repairers	30	1	524	5.7	3.7
Electrical and electronic equipment repairers	53	1	999	5.3	2.7
Electronic repairers, communications, industrial equipment	27	--	192	14.1	6.2
Heating, air conditioning, and refrigeration mechanics	18	--	371	4.9	4.4
Miscellaneous mechanics and repairers	65	1	949	6.8	2.8
Construction trades	613	10	6,120	10.0	1.1
Supervisors, construction occupations	109	2	967	11.3	2.7
Construction trades, except supervisors	539	9	5,153	10.5	1.2
Brickmasons and stonemasons	15	--	242	6.2	5.5
Carpenters	91	2	1,467	6.2	2.2
Electricians	89	2	860	10.3	2.9
Electrical power installers and repairers	28	--	132	21.2	7.5
Painters, construction and maintenance	45	1	624	7.2	3.4
Plumbers, pipefitters and steamfitters	37	1	540	6.9	3.7
Roofers	65	1	215	30.2	5.8
Structural metal workers	47	1	79	59.5	9.6
Extractive occupations	69	1	128	53.9	7.6
Mining machine operators	27	--	34	79.4	14.7
Precision production occupations	101	2	3,759	2.7	1.4
Precision metal working occupations	31	1	865	3.6	2.9
Machinists	11	--	488	2.3	3.9
Plant and systems operators	14	--	264	5.3	5.3
Operators, fabricators, and laborers	2,118	36	18,319	11.5	.6
Machine operators, assemblers, and inspectors	237	4	7,319	3.2	1.0
Machine operators and tenders, except precision	136	2	4,546	3.0	1.3
Metal working, plastic working machine operators	15	--	349	4.3	4.6
Machine operators, assorted materials	90	2	2,665	3.4	1.6
Fabricators, assemblers, and hand working occupations	92	2	2,070	4.4	1.9
Welders and cutters	68	1	594	11.4	3.5
Assemblers	19	--	1,299	1.5	2.4
Production inspectors, testers, samplers, and weighers	9	--	703	1.3	3.2
Transportation and material moving occupations	1,264	21	5,557	22.7	1.1
Motor vehicle operators	1,002	17	4,222	23.7	1.3
Truck drivers	852	14	3,088	27.6	1.5
Drivers-sales workers	45	1	167	26.9	6.6
Bus drivers	21	--	539	3.9	3.7
Taxicab drivers and chauffeurs	70	1	280	25.0	5.1
Transportation occupations, except motor vehicles	47	1	183	25.7	6.3
Rail transportation occupations	21	--	127	16.5	7.6
Railroad brake, signal, and switch operators	11	--	11	100.0	25.8
Water transportation occupations	26	--	56	46.4	11.4
Ship captains and mates, except fishing boats	7	--	38	18.4	13.9
Sailors and deckhands	17	--	14	121.4	22.9
Material moving equipment operators	215	4	1,152	18.7	2.5
Operating engineers	51	1	253	20.2	5.4
Crane and tower operators	16	--	70	22.9	10.2
Excavating and loading machine operators	29	--	98	29.6	8.6
Grader, dozer, and scraper operators	20	--	52	38.5	11.9
Industrial truck and tractor equipment operators	54	1	569	9.5	3.6
Handlers, equipment cleaners, helpers, and laborers	617	10	5,443	11.2	1.1
Helpers, construction and extractive occupations	21	--	120	17.5	7.8
Construction laborers	288	5	1,015	28.3	2.7
Freight, stock, and material handlers	80	1	2,015	4.0	1.9
Garbage collectors	23	--	54	42.6	11.7

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Stock handlers and baggers	17	--	1,125	1.5	2.5
Garage and service station related occupations	28	--	184	15.2	6.3
Vehicle washers and equipment cleaners	9	--	313	2.6	4.8
Laborers, except construction	178	3	1,307	13.2	2.4
Military	87	1	1,169	7.4	2.5
Industry					
Private industry	5,344	90	116,134	4.6	.2
Agriculture, forestry, and fishing	720	12	3,380	20.9	1.5
Agricultural production, crops	277	5	987	27.3	2.7
Agricultural production, livestock	132	2	990	13.1	2.7
Agricultural services	213	4	1,306	16.3	2.4
Landscape and horticultural services	139	2	897	15.5	2.9
Fishing, hunting, and trapping	47	1	56	83.9	11.4
Mining	156	3	520	30.0	3.8
Metal mining	9	--	48	18.8	12.4
Coal mining	38	1	76	50.0	9.8
Oil and gas extraction	83	1	313	26.5	4.8
Construction	1,154	20	8,949	12.9	.9
Manufacturing	668	11	19,868	3.3	.6
Food and kindred products	68	1	1,661	4.1	2.1
Meat products	22	--	456	4.8	4.0
Grain mill products	11	--	157	7.0	6.8
Lumber and wood products	186	3	782	23.7	3.1
Logging	122	2	123	98.4	7.7
Sawmills and planing mills	19	--	421	4.5	4.2
Paper and allied products	17	--	594	2.9	3.5
Printing and publishing	34	1	1,815	1.7	2.0
Newspapers	23	--	501	4.0	3.8
Chemicals and allied products	27	--	1,274	2.1	2.4
Rubber and miscellaneous plastics products	26	--	887	2.9	2.9
Stone, clay, and glass products	45	1	600	7.5	3.5
Concrete, gypsum, and plaster products	28	--	217	12.9	5.8
Primary metal industries	52	1	767	6.8	3.1
Blast furnace and basic steel products	17	--	327	5.2	4.7
Fabricated metal products	46	1	1,258	3.7	2.4
Fabricated structural metal products	15	--	552	2.7	3.6
Industrial machinery and equipment	51	1	2,456	2.1	1.7
Construction and related machinery	16	--	235	6.8	5.6
Transportation equipment	49	1	2,257	2.2	1.8
Motor vehicles and equipment	17	--	1,317	1.3	2.4
Ship and boat building and repairing	14	--	161	8.7	6.7
Transportation and public utilities	957	16	8,084	11.8	.9
Railroad transportation	25	--	276	9.1	5.2
Local and interurban passenger transit	84	1	574	14.6	3.6
Taxicabs	61	1	118	51.7	7.9
Trucking and warehousing	566	10	2,733	20.7	1.6
Trucking and courier services, except air	523	9	2,547	20.5	1.7
Public warehousing and storage	19	--	186	10.2	6.3
Water transportation	47	1	178	25.8	6.4
Transportation by air	97	2	889	10.8	2.9
Transportation services	15	--	401	3.7	4.3
Communications	36	1	2,007	1.8	1.9
Telephone communications	17	--	1,507	1.1	2.2
Electric, gas, and sanitary services	84	1	1,007	8.3	2.7
Electric services	28	--	506	5.5	3.8
Sanitary services	41	1	173	23.7	6.5
Wholesale trade	230	4	5,407	4.3	1.1
Wholesale trade, durable goods	126	2	3,043	4.1	1.5

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Motor vehicles, parts, and supplies	17	--	278	6.1	5.1
Lumber and construction materials	16	--	237	6.8	5.6
Machinery, equipment, and supplies	27	--	716	3.8	3.2
Wholesale trade, nondurable goods	104	2	2,364	4.4	1.8
Groceries and related products	25	--	936	2.7	2.8
Farm-product raw materials	13	--	109	11.9	8.2
Petroleum and petroleum products	24	--	131	18.3	7.5
Retail trade	594	10	22,315	2.7	.5
Building materials and garden supplies	35	1	837	4.2	3.0
Lumber and other building materials	21	--	688	3.1	3.3
General merchandise stores	27	--	2,514	1.1	1.7
Food stores	145	2	3,385	4.3	1.5
Grocery stores	128	2	2,933	4.4	1.6
Automotive dealers and service stations	95	2	2,246	4.2	1.8
New and used car dealers	23	--	1,259	1.8	2.4
Auto and home supply stores	24	--	483	5.0	3.9
Gasoline service stations	33	1	369	8.9	4.5
Furniture and homefurnishings stores	21	--	1,344	1.6	2.3
Eating and drinking places	138	2	6,836	2.0	1.0
Miscellaneous retail stores	118	2	1,122	10.4	2.5
Liquor stores	13	--	133	9.8	7.4
Nonstore retailers	33	1	525	6.1	3.7
Direct selling establishments	26	--	315	7.9	4.8
Finance, insurance, and real estate	79	1	8,538	0.9	.9
Depository institutions	13	--	2,170	0.6	1.8
Insurance carriers	5	--	2,314	0.2	1.8
Real estate	20	--	2,161	0.9	1.8
Services	768	13	39,170	2.0	.4
Hotels and other lodging places	38	1	1,576	2.3	2.1
Hotels and motels	31	1	1,434	2.2	2.3
Business services	199	3	9,602	2.1	.9
Advertising	6	--	280	2.1	5.1
Services to buildings	35	1	859	4.0	2.9
Personnel supply services	43	1	1,045	4.1	2.6
Detective and armored car services	35	1	569	6.2	3.6
Auto repair, services, and parking	132	2	1,622	8.1	2.1
Automotive repair shops	81	1	1,191	6.8	2.5
Miscellaneous repair services	46	1	567	8.1	3.6
Electrical repair shops	10	--	110	9.1	8.2
Government	571	10	20,243	2.8	.6
Federal	149	3	4,461	3.3	1.3
State	108	2	5,468	2.0	1.1
Local	310	5	10,314	3.0	.8

¹ The employment figures, except for military, are annual average estimates of employed civilians, 16 years of age and older, from the Current Population Survey (CPS), 2000. The resident military figure, obtained from the Department of Defense, was added to the CPS employment total.

² The rate represents the number of fatal occupational injuries per 100,000 employed workers and was calculated as follows: $(N/W) \times 100,000$, where N = the number of fatal work injuries, and W = the number of employed workers. There were 26 fatally injured workers under the age of 16 years that were not included in the rate calculations to maintain consistency with the CPS employment.

³ The relative standard errors of the CPS employment estimates can be used to approximate confidence ranges for the fatality rates. For example, a confidence range for the roofers rate can be approximated as follows: $30.2 \times .058 \times 1.6 = 2.8$, where 30.2 = the rate, .058 = the relative standard error (5.8 percent), and 1.6 = the factor for a 90 percent confidence level. The confidence range for this rate is 27.4 to 33.0 (30.2 plus or minus 2.8).

NOTE: Selected rate categories had 5 or more work injury fatalities in 2000. Dashes indicate data not available or less than .5 percent. Totals for major categories may include subcategories not shown separately. Figures may not add to totals because of rounding.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2000.

